Manufacturer: PVPowered

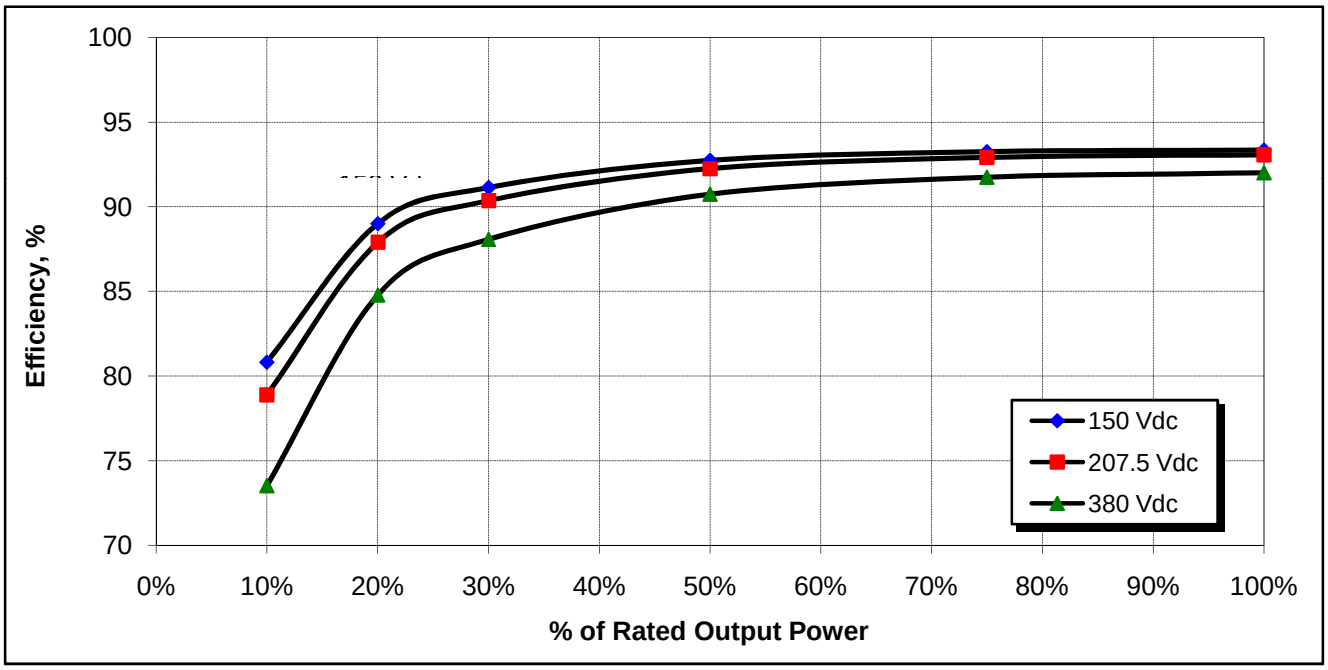
Model #: PVP1100

Rated Maximum Continuous Output Power: 1.10 kW Night Tare Loss: -3.60 W

Vmin: 150 Vdc Vnom: 207.5 Vdc Vmax: 380 Vdc

		Power Level (%; kW)						
		10%	20%	30%	50%	75%	100%	
Input Voltage (Vdc)		0.11	0.22	0.33	0.55	0.83	1.10	Wtd
Vmin	150	80.8	89.0	91.1	92.7	93.3	93.3	92.2
Vnom	207.5	78.9	87.9	90.4	92.3	92.9	93.1	91.7
Vmax	380	73.5	84.8	88.1	90.7	91.7	92.0	90.0

CEC Efficiency = 91.5%



Inverter Efficiency Data

Minimum of 5 samples required

Specified		Sample #1			Sample #2			Sample #3			Sample #4			Sample #5		
Output Power	Input Voltage	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency
(% of rated)	(Vdc)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(kW)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	108.7	151.1	80.84	108.7	151.1	80.81	108.7	151.1	80.78	108.7	151.1	80.79	108.6	151.1	80.82
20%	Vmin	239.8	151.0	89.02	239.7	151.0	89.01	239.8	151.0	88.96	239.9	151.0	89.05	239.8	151.0	89.02
30%	Vmin	353.1	151.0	91.15	352.8	151.1	91.12	353.0	151.0	91.17	352.9	151.1	91.12	353.1	151.0	91.14
50%	Vmin	601.6	151.0	92.73	601.7	151.0	92.75	601.7	151.0	92.75	601.4	151.0	92.74	601.7	151.0	92.74
75%	Vmin	875.2	150.9	93.27	876.1	150.9	93.26	875.9	150.9	93.26	875.6	150.9	93.27	869.1	150.9	93.24
100%	Vmin	1101.7	150.9	93.38	1104.6	150.9	93.35	1101.5	150.9	93.34	1101.5	150.9	93.35	1101.5	150.9	93.35
10%	Vnom	109.0	208.4	78.92	108.8	208.4	78.87	108.9	208.4	78.82	108.9	208.4	78.90	109.0	208.5	78.91
20%	Vnom	239.8	208.4	87.87	240.0	208.4	87.94	239.8	208.4	87.92	239.7	208.4	87.89	239.9	208.4	87.92
30%	Vnom	352.6	208.4	90.36	352.8	208.4	90.39	352.9	208.4	90.37	352.9	208.4	90.35	353.0	208.4	90.38
50%	Vnom	599.7	208.3	92.27	600.5	208.3	92.26	600.0	208.3	92.27	600.4	208.3	92.25	600.0	208.3	92.28
75%	Vnom	877.1	208.3	92.92	876.9	208.3	92.92	877.3	208.3	92.93	876.6	208.3	92.91	876.5	208.3	92.91
100%	Vnom	1101.0	208.3	93.07	1101.3	208.3	93.07	1101.8	208.3	93.07	1101.6	208.3	93.08	1101.1	208.3	93.06
10%	Vmax	108.0	380.8	73.58	108.1	380.9	73.60	107.9	380.9	73.41	108.1	380.8	73.54	107.9	380.9	73.56
20%	Vmax	239.8	380.8	84.76	239.8	380.8	84.73	240.0	380.8	84.79	239.5	380.8	84.83	239.6	380.8	84.77
30%	Vmax	354.7	380.8	88.06	355.2	380.8	88.08	354.9	380.8	88.09	354.7	380.8	88.13	354.1	380.8	88.09
50%	Vmax	601.0	380.9	90.71	600.8	380.8	90.73	601.3	380.9	90.72	601.0	380.8	90.74	600.9	380.8	90.74
75%	Vmax	876.9	380.8	91.75	876.7	380.8	91.72	873.8	380.8	91.70	879.2	380.8	91.71	879.7	380.8	91.74
100%	Vmax	1073.0	380.8	92.01	1074.5	380.8	92.04	1074.7	380.8	92.03	1073.5	380.8	91.99	1073.1	380.8	92.02

Specified		Sample #6			Sample #7			Sample #8			Sample #9			Sample #10		
Output Power	Input Voltage	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency	Output Power	Input Voltage	Efficiency
(% of rated)	(Vdc)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)	(W)	(Vdc)	(%)
10%	Vmin	108.6	151.1	80.82	108.6	151.1	80.80	108.5	151.1	80.84						
20%	Vmin	240.0	151.0	89.038	240.0	151.1	88.967	239.8	151.0	88.962						
30%	Vmin	353.0	151.0	91.144	353.3	151.0	91.156	353.2	151.0	91.123						
50%	Vmin	601.7	151.0	92.756	601.3	151.0	92.743	601.8	151.0	92.752						
75%	Vmin	870.1	150.9	93.239	871.2	151.0	93.226	879.6	150.9	93.295						
100%	Vmin	1100.7	150.9	93.318	1101.2	150.9	93.368	1101.7	150.9	93.317						
10%	Vnom	109.0	208.4	78.872	109.1	208.4	78.904	109.1	208.4	78.874						
20%	Vnom	239.7	208.4	87.870	240.0	208.4	87.944	239.9	208.4	87.914						
30%	Vnom	352.8	208.4	90.347	353.2	208.4	90.361	353.2	208.4	90.378						
50%	Vnom	600.6	208.4	92.242	600.6	208.3	92.250	600.3	208.3	92.245						
75%	Vnom	875.4	208.3	92.885	878.1	208.3	92.921	874.9	208.3	92.908						
100%	Vnom	1101.3	208.3	93.068	1101.2	208.3	93.026	1101.7	208.3	93.061						
10%	Vmax	108.0	380.8	73.486	107.9	380.8	73.514	108.0	380.8	73.429						
20%	Vmax	240.0	380.8	84.821	240.0	380.8	84.799	240.1	380.8	84.785						
30%	Vmax	354.5	380.8	88.009	354.6	380.8	88.039	355.0	380.8	88.068						
50%	Vmax	601.4	380.8	90.754	601.5	380.8	90.779	602.9	380.8	90.767						
75%	Vmax	879.1	380.8	91.758	879.2	380.8	91.755	878.1	380.8	91.758						
100%	Vmax	1073.4	380.8	91.993	1072.4	380.8	91.991	1072.8	380.8	91.981						